
APPENDIX C: SOURCE ANALYSIS DATA AND CALCULATIONS

Part IV

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	2282.3	2022.9	3023.4	3606.7	3591.9	2758.4	2763.0	3001.0	2918.9	3334.2	2862.9	2064.6
	1995	1162.1	2029.8	3536.5	3562.2	2794.0	2337.6	2582.5	3036.1	2394.8	2936.9	2314.2	1810.1
	1996	2108.3	2087.2	2791.7	3040.1	2928.9	2454.1	2401.6	2305.5	2457.8	3059.9	2353.2	2224.0
	1997	217.1	2503.2	3418.7	3635.3	3426.5	2689.7	2840.5	3090.2	3504.5	3082.1	2721.4	1856.0
	1998	2273.0	1663.9	3111.5	3746.8	3711.4	3044.6	2239.3	2851.6	2953.0	3320.5	2320.6	2093.6
	1999	2004.9	2196.5	2788.8	3253.2	3066.4	2590.4	2316.8	2236.7	2585.5			
All-American	1994	0.0	0.0	179.3	223.2	195.3	171.1	187.1	149.2	61.4	6.2	7.0	2.7
	1995	0.0	13.4	228.6	187.7	107.3	144.4	157.7	82.0	2.6	6.9	3.5	156.6
	1996	134.0	102.8	124.6	127.6	0.0	0.0	26.7	141.3	76.4	163.0	113.0	111.3
	1997	11.1	79.1	111.5	152.5	174.0	171.1	151.6	54.5	0.0	281.2	0.0	21.1
	1998	121.2	0.0	98.7	134.3	104.0	0.0	0.0	164.5	0.0	189.9	82.7	13.9
	1999	105.4	0.0	146.2	84.2	158.8	124.4	118.0	83.5	215.1			
Bailey	1994	86.1	58.0	76.8	85.2	58.7	23.3	85.7	61.6	90.3	61.8	44.0	56.5
	1995	35.2	36.3	62.2	100.2	39.7	16.6	46.7	115.1	22.5	112.4	66.1	32.9
	1996	54.2	37.2	78.3	81.8	60.3	39.5	68.5	54.7	25.6	64.8	50.3	48.6
	1997	3.8	81.3	88.2	62.4	46.8	35.2	112.2	41.4	104.6	40.1	46.5	53.9
	1998	85.8	41.3	92.7	105.0	59.9	91.9	68.8	87.8	131.7	75.0	77.9	51.2
	1999	68.6	57.6	69.9	60.1	61.1	78.2	158.9	75.4	110.6			
Bryan	1994	98.7	124.6	554.7	549.6	440.4	520.6	665.5	577.3	345.0	485.2	283.3	340.2
	1995	128.1	365.4	602.6	595.2	406.0	282.7	370.4	467.1	305.7	293.3	304.7	290.8
	1996	203.6	288.6	525.9	408.5	320.5	415.0	423.0	409.0	429.1	289.1	326.0	213.7
	1997	30.1	301.2	599.4	565.9	573.2	541.9	540.5	555.4	406.2	172.0	235.5	304.2
	1998	243.7	198.5	564.6	559.9	442.5	444.9	416.4	501.9	266.6	314.2	154.8	198.0
	1999	336.1	204.7	507.3	483.6	519.7	478.5	587.1	438.9	387.2			
C	1994	641.8	771.1	1301.1	1643.9	1313.3	997.8	1223.9	1243.5	1103.1	871.1	813.4	781.5
	1995	330.6	841.0	1373.9	1412.7	1041.6	963.0	882.3	1313.3	721.6	720.6	681.6	558.6
	1996	582.4	926.1	1271.8	1260.7	890.1	731.7	862.6	744.0	1327.4	781.0	661.9	607.1
	1997	61.6	1099.4	1448.9	1190.0	1015.2	830.6	1192.3	1150.9	1126.9	968.5	769.4	683.4
	1998	610.6	694.0	1437.3	1557.6	1420.3	1417.2	1362.0	1345.4	1286.4	880.1	730.7	549.2
	1999	635.5	871.3	1226.8	1104.3	1447.7	1319.9	1101.4	925.1	1384.5			
D	1994	120.0	77.5	189.1	190.5	137.0	126.2	116.7	133.6	120.5	121.6	75.8	154.9
	1995	67.0	121.7	198.9	205.2	151.9	86.6	89.0	71.6	105.7	149.7	127.1	129.7
	1996	114.1	105.4	176.7	163.6	123.7	90.5	91.6	49.0	65.6	97.3	134.4	103.8
	1997	13.1	124.9	186.2	199.5	138.2	123.0	178.7	186.8	116.6	141.7	93.3	110.5
	1998	134.9	80.8	220.0	211.0	143.8	131.3	161.3	142.7	191.6	149.8	87.9	95.2
	1999	125.1	95.2	204.2	162.8	191.8	118.1	123.6	180.2	151.6			
Darling	1994	322.3	354.1	853.7	1023.6	371.4	341.7	360.6	388.8	388.8	561.0	445.4	190.4
	1995	148.7	277.4	579.5	620.6	461.3	488.5	394.2	490.2	334.5	506.1	269.2	173.6
	1996	298.3	341.2	536.3	685.1	341.6	405.2	449.2	379.1	360.0	484.6	333.0	297.1
	1997	26.2	297.6	556.7	635.7	581.0	594.8	648.4	622.0	476.0	366.4	336.5	205.2

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	215.3	242.2	522.7	711.1	623.5	443.4	702.2	386.7	501.3	387.1	269.6	260.6
	1999	289.9	306.4	625.2	429.6	631.0	671.7	310.5	382.4	372.3			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	215.3	242.2	522.7	711.1	623.5	443.4	702.2	386.7	501.3	387.1	269.6	260.6
	1999	289.9	306.4	625.2	429.6	631.0	671.7	310.5	382.4	372.3			
E	1994	589.9	416.9	859.0	1104.7	1026.4	807.6	839.4	953.2	812.4	580.8	608.4	556.5
	1995	277.5	704.4	866.1	1011.3	838.1	785.1	738.4	922.2	619.7	686.6	505.0	591.4
	1996	457.4	751.6	851.0	892.1	709.4	789.5	720.5	858.8	628.8	809.4	567.5	601.8
	1997	48.9	659.7	1170.8	1090.7	983.0	675.6	890.5	921.8	856.2	796.3	698.4	531.5
	1998	507.1	474.0	980.8	1072.8	1364.2	971.4	815.2	921.0	961.3	1186.5	492.3	509.8
	1999	559.3	530.7	908.8	1007.6	1115.9	1070.6	1000.7	748.3	782.2			
G	1994	908.8	667.7	1226.8	1891.8	1480.5	1246.1	1267.6	1214.0	772.8	1032.5	863.0	787.9
	1995	449.4	968.0	1581.1	1654.4	1375.3	1155.5	1480.3	1541.3	769.5	1347.6	998.9	888.3
	1996	911.0	963.9	1550.8	1500.8	1378.6	1323.0	1380.7	1045.3	1122.6	1027.3	770.0	1190.4
	1997	84.9	1088.1	1811.3	1901.6	1294.0	1235.0	1643.4	1457.6	1681.8	1000.3	886.8	977.4
	1998	796.6	161.7	1636.4	1811.1	1894.9	1452.0	1574.1	1411.6	1575.3	1316.9	933.7	858.2
	1999	712.3	736.3	1372.4	1499.3	1458.1	1106.6	1045.7	927.2	838.8			
Graeser	1994	79.0	34.8	158.4	133.0	136.8	126.8	147.1	123.2	30.8	41.8	55.3	91.3

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1995	30.1	97.4	124.0	197.3	31.2	108.0	72.0	58.1	140.0
	1996	64.9	87.3	122.7	83.0	77.4	142.2	84.3	96.2	74.3
	1997	1.4	137.4	174.1	209.4	68.1	141.0	130.6	70.9	181.1
	1998	100.3	71.8	142.9	129.0	176.5	152.2	138.9	143.7	133.8
	1999	22.5	109.1	151.9	66.8	146.5	128.5	141.6	103.2	138.4
I	1994	589.2	635.4	1259.3	1250.8	995.5	828.0	686.4	844.5	992.9
	1995	342.3	677.3	1643.3	1585.9	1067.9	1065.8	1300.5	1185.0	809.2
	1996	692.6	962.2	1208.7	1271.8	847.5	741.2	862.9	570.1	1057.0
	1997	71.7	898.5	1775.1	1565.7	1338.0	1058.8	1068.4	1099.1	1340.5
	1998	564.4	633.3	1290.4	1142.2	1114.2	1228.2	1317.9	1173.2	1099.4
	1999	607.8	927.6	1316.4	1050.4	1238.6	1078.8	1033.2	706.7	962.2
J	1994	334.6	510.3	597.0	678.5	559.9	534.1	601.4	421.8	441.0
	1995	213.3	424.9	717.2	928.3	632.9	514.4	602.3	676.4	552.6
	1996	448.8	471.9	760.9	706.2	585.1	599.8	647.8	521.7	655.2
	1997	43.8	507.3	1179.8	1091.8	895.7	667.1	761.9	848.0	643.8
	1998	363.1	369.9	891.7	864.6	663.2	713.4	654.5	917.1	855.9
	1999	384.0	498.0	789.9	724.1	863.5	787.9	736.5	571.2	706.4
Jones	1994	39.3	27.4	55.5	70.5	1.4	45.3	24.5	30.5	34.2
	1995	14.0	22.9	25.2	23.2	17.0	42.8	43.6	19.6	28.1
	1996	19.9	21.2	35.9	37.5	21.8	42.5	36.0	26.3	28.8
	1997	2.4	22.8	32.9	28.8	48.2	31.6	36.3	23.6	44.8
	1998	32.7	18.1	52.4	54.6	29.2	51.0	48.5	36.7	25.5
	1999	16.9	24.0	47.8	40.2	41.1	58.2	45.6	31.7	55.0
K	1994	270.9	246.8	607.9	815.5	599.4	454.3	486.6	585.2	594.5
	1995	116.6	437.5	625.0	700.7	456.0	313.2	498.0	519.1	452.7
	1996	188.3	483.0	730.9	688.1	506.6	634.1	444.9	695.6	579.1
	1997	18.1	753.5	937.3	1137.9	964.6	486.8	1054.6	1161.0	941.3
	1998	269.1	367.0	1038.3	947.7	836.2	667.6	888.3	918.8	888.5
	1999	187.3	453.0	896.6	828.0	974.0	860.6	697.5	737.4	696.4
L	1994	495.2	431.7	707.0	826.9	638.0	333.3	461.3	413.3	389.7
	1995	207.5	504.6	677.9	726.0	630.6	411.6	526.4	484.6	508.1
	1996	372.1	518.7	645.9	587.8	383.2	393.4	356.1	478.5	456.2
	1997	29.7	496.6	778.5	738.4	771.0	549.4	705.0	757.8	673.8
	1998	406.1	356.5	635.3	711.5	866.9	679.4	689.0	684.9	636.4
	1999	378.2	361.9	780.4	642.1	814.3	639.0	745.0	574.9	584.1
Lewis	1994	215.8	61.0	244.1	219.7	133.5	172.5	162.1	186.5	111.3
	1995	87.8	193.7	326.9	287.9	116.0	103.3	114.0	171.3	123.9
	1996	126.3	76.5	207.5	174.5	138.3	168.5	132.5	109.0	146.7
	1997	9.5	125.3	255.5	216.8	231.5	175.8	131.3	79.1	157.7
	1998	172.7	90.4	195.7	213.9	291.8	286.1	134.1	177.8	112.4

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1999	221.6	136.9	286.6	251.3	163.2	77.5	199.8	72.6	188.0
M	1994	217.9	255.9	531.3	585.8	501.3	365.5	324.8	453.9	308.0
	1995	140.0	334.5	510.5	510.7	396.6	347.6	357.4	461.3	308.2
	1996	213.3	344.2	505.2	414.1	380.8	435.4	475.7	411.5	268.7
	1997	22.6	381.3	560.9	649.4	522.7	492.2	434.4	622.0	479.4
	1998	352.2	253.4	531.6	534.2	530.6	588.3	506.9	520.5	399.5
	1999	298.2	329.6	518.2	423.2	479.9	460.4	507.0	459.0	494.4
Magnolia	1994	217.3	133.3	424.7	500.6	422.8	324.1	419.8	437.1	391.7
	1995	121.4	226.9	446.0	454.2	298.1	327.5	320.2	326.3	157.7
	1996	232.0	325.0	316.6	338.2	296.9	210.2	313.3	324.3	246.4
	1997	17.8	199.0	423.3	346.8	416.5	336.9	398.9	462.1	412.7
	1998	220.0	176.0	411.1	409.4	407.3	377.2	295.3	288.6	255.4
	1999	282.8	248.4	375.9	315.0	327.7	335.1	291.3	356.5	278.7
Malva	1994	301.4	302.8	505.5	684.2	0.0	0.0	0.0	0.0	0.0
	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1996	365.6	418.0	573.0	575.3	447.5	308.8	357.7	260.1	562.2
	1997	39.8	402.0	728.7	719.2	739.3	535.8	484.4	495.0	496.5

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1998	363.6	45.1	612.2	642.7	450.3	461.0	507.8	390.0	679.8
	1999	404.8	358.5	613.8	471.8	451.0	477.5	466.5	496.9	644.7
Maple	1994	439.7	489.7	888.1	943.6	496.9	558.2	706.2	482.3	527.6
	1995	48.6	324.5	800.3	876.2	516.5	502.9	687.9	590.0	433.7
	1996	438.9	447.2	689.7	738.3	519.5	408.2	421.8	415.8	325.0
	1997	39.1	562.0	824.9	898.3	515.4	536.2	538.5	443.2	458.7
	1998	391.0	55.5	903.3	859.5	783.7	638.7	696.5	649.0	830.0
	1999	586.3	401.7	819.8	789.0	692.2	546.4	790.9	386.0	707.4
Marigold	1994	359.5	183.4	801.1	763.7	555.5				
	1995									
	1996									
	1997									
	1998									
	1999									
Mayflower	1994	421.2	298.4	836.6	802.1	759.3				
	1995	0.0								
	1996									
	1997									
	1998									
	1999									
Mesquite	1994	1344.5	970.4	2735.3	2934.6	2254.3	1855.1	2153.2	2213.3	2063.3
	1995	685.0	1109.2	2596.1	2603.9	2002.3	1858.3	1867.1	1948.8	1682.7
	1996	1281.4	1130.1	2050.8	2410.1	1655.9	1770.5	1792.4	1687.8	1881.3
	1997	117.0	1694.8	2616.5	2802.6	2389.2	2049.3	2319.6	2334.4	2047.7
	1998	1134.8	995.1	2775.1	2691.7	2558.3	1945.7	1942.3	1911.9	1909.8
	1999	1461.3	1581.9	2324.9	2060.8	2542.7	2099.8	2236.8	1762.0	1905.6
Moorehead	1994	87.4	68.2	80.9	157.0	34.8	35.7	107.8	126.3	96.8
	1995	24.7	61.2	74.8	124.2	73.2	35.2	72.4	94.4	65.7
	1996	35.1	61.9	77.3	62.3	22.9	65.1	28.1	74.4	53.9
	1997	1.1	20.7	88.8	55.2	81.6	117.1	104.4	117.4	102.5
	1998	53.0	39.6	53.6	87.7	112.4	119.7	150.5	165.5	153.2
	1999	50.4	46.7	72.7	62.8	124.6	119.0	117.6	125.6	144.0
Moss	1994	281.2	256.8	504.5	508.1	530.4	448.3	453.1	442.2	346.0
	1995	161.4	369.5	692.3	528.5	407.0	333.8	448.6	473.1	126.5
	1996	251.5	415.0	504.3	548.5	320.9	356.6	390.6	423.0	331.7
	1997	26.2	351.4	630.2	612.6	374.2	438.7	473.4	457.9	395.2
	1998	374.6	279.8	555.2	642.2	420.8	352.3	436.2	420.4	530.7
	1999	341.2	422.1	601.4	515.6	528.2	502.2	481.0	414.7	511.5
Mulberry	1994	477.1	312.2	877.7	893.0	772.2	798.6			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1995									
	1996	464.8	629.0	829.2	712.9	577.8	583.3	649.0	456.8	743.5
	1997	49.0	667.1	1016.5	983.2	742.2	589.0	707.3	635.2	1055.7
	1998	513.1	412.9	933.9	908.0	769.9	881.5	609.6	761.4	1007.4
	1999	625.7	503.3	808.8	765.7	718.5	827.2	854.7	550.8	794.1
Mullen	1994	504.0	292.3	748.8	804.7	657.4	673.8	673.7	478.8	431.9
	1995	196.5	305.2	715.5	914.4	585.0	493.8	588.5	462.9	415.7
	1996	345.2	457.3	575.4	607.4	411.5	585.5	646.9	471.3	536.0
	1997	34.7	489.1	813.8	872.1	678.8	673.4	627.9	734.4	820.9
	1998	343.6	315.9	729.3	743.2	801.4	724.0	761.3	722.0	497.0
	1999	307.7	502.6	734.7	637.8	744.5	685.9	627.7	611.8	556.0
Munyon	1994	457.6	316.0	626.0	811.2	447.3	407.6	527.5	406.8	500.3
	1995	207.1	367.9	651.4	681.9	408.3	398.2	471.1	349.5	330.0
	1996	338.7	341.0	533.4	590.6	301.5	447.0	437.9	364.6	516.1
	1997	37.4	420.8	648.6	771.8	572.7	478.8	537.1	436.8	552.3
	1998	376.2	255.7	620.5	671.6	534.8	610.8	501.4	603.6	348.8
	1999	398.1	215.2	606.7	454.7	430.3	576.9	600.3	488.7	456.2

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Myrtle	1994	344.7	192.4	545.8	458.7	486.9	389.3	657.0	440.5	339.3
	1995	169.7	239.6	575.9	587.5	500.5	468.6	409.6	442.7	320.3
	1996	251.7	367.9	430.4	398.4	454.0	355.7	481.3	387.2	379.5
	1997	32.2	360.0	591.9	627.7	530.0	407.5	544.6	473.8	529.7
	1998	329.6	224.4	631.8	587.2	541.9	549.7	455.2	435.9	407.3
	1999	346.2	286.4	577.1	502.0	445.4	546.3	430.0	406.4	492.9
N	1994	307.6	218.6	433.7	515.0	449.0	311.6	495.0	502.0	413.5
	1995	147.7	279.1	619.7	663.6	500.6	335.7	357.9	538.9	367.7
	1996	238.5	230.1	463.6	515.4	377.2	285.9	369.9	410.2	339.7
	1997	24.2	306.6	655.6	735.8	546.9	425.3	398.2	501.1	379.6
	1998	309.2	195.9	540.4	561.0	472.8	304.5	371.2	472.8	541.8
	1999	289.2	242.8	495.6	601.0	458.7	501.4	445.3	237.9	344.5
Narcissus	1994	209.6	295.3	828.2	772.4	715.4	662.3			
	1995									
	1996									
	1997									
	1998									
	1999									
Nectarine	1994	422.8	284.3	857.1	849.6					
	1995									
	1996	629.4	448.7	748.8	696.2	340.3	545.4	648.9	364.0	423.7
	1997	43.6	621.1	840.1	785.6	519.2	512.6	580.9	465.9	818.6
	1998	510.6	362.3	885.1	824.0	640.5	545.5	719.1	534.7	917.7
	1999	582.4	512.6	775.5	677.1	759.9	772.4	674.6	683.5	658.5
Nettle	1994	468.6	401.5	990.9	998.1	799.5	681.4	697.5		
	1995									
	1996	340.4	564.4	766.2	838.1	538.9	436.3	574.3	324.2	417.3
	1997	40.2	535.9	966.4	929.7	593.7	506.7	702.8	597.4	875.8
	1998	396.9	373.7	968.5	877.0	723.4	841.6	624.3	770.4	776.2
	1999	437.3	415.6	866.2	823.5	694.5	543.5	686.4	666.3	767.6
Ninth St.	1994	52.9	85.0	133.9	147.6	69.1	40.9	35.5	104.2	9.5
	1995	30.9	57.9	110.9	161.7	88.8	100.9	78.2	81.6	40.0
	1996	31.4	47.5	83.4	103.3	72.3	73.9	81.3	111.3	67.7
	1997	7.9	40.3	112.3	111.3	91.1	83.1	81.6	80.3	58.8
	1998	66.8	44.8	90.4	146.0	127.3	76.7	108.7	47.7	124.5
	1999	61.2	64.0	114.6	102.2	90.0	98.9	75.7	58.9	85.2
Nutmeg	1994	651.1	255.9	824.4	881.1					
	1995	0.0								
	1996	374.2	498.8	683.3	843.4	617.4	532.6	482.6	421.7	625.1
	1997	35.3	615.0	904.8	870.5	780.7	417.2	685.2	487.5	595.4

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Drain	1998	509.5	371.6	951.0	972.1	850.4	910.5	847.4	777.6	976.2
	1999	541.9	539.3	877.7	661.4	758.6	742.9	654.4	764.2	936.4
Oak	1994	459.1	271.5	491.9	624.6	573.1	462.9	452.5	470.8	335.2
	1995	209.3	406.7	724.3	695.2	428.7	424.1	459.9	373.7	274.6
	1996	362.2	372.2	542.9	542.3	322.5	506.4	412.9	545.2	388.1
	1997	31.3	366.3	589.2	640.4	384.9	575.2	622.1	562.6	636.5
	1998	355.7	284.0	628.1	556.6	534.8	582.3	524.5	503.5	601.2
	1999	474.6	358.8	617.5	456.9	372.3	566.2	552.1	301.3	434.6
Oasis	1994									
	1995							229.0	164.7	0.0
	1996	220.3	117.6	265.9	245.6	226.7	223.4	181.0	119.4	193.2
	1997	14.2	186.8	279.0	264.6	295.3	265.7	287.9	233.4	237.7
	1998	131.1	116.2	264.4	330.4	271.2	246.0	173.3	131.8	224.1
	1999	229.5	140.1	259.9	246.7	259.2	167.3	165.2	137.4	212.9
Oat	1994									
	1995							214.3	0.0	152.7
	1996	91.1	180.2	202.2	236.6	244.2	181.5	194.6	160.4	172.7

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1997	8.6	217.2	289.1	329.0	319.1	223.4	229.2	194.8	299.6
	1998	166.4	0.0	285.2	294.5	361.2	266.7	223.4	184.8	217.0
	1999	147.9	152.5	274.6	237.8	270.1	244.6	262.8	162.6	261.9
Occident	1994	148.0	153.7	305.8	342.6	387.2	327.4	315.4	295.5	314.6
	1995	97.6	131.4	352.5	278.0	280.3	273.4	252.0	238.9	229.3
	1996	189.8	144.4	267.8	251.2	237.6	212.9	207.8	215.6	172.3
	1997	17.3	147.2	298.8	388.3	326.9	289.4	267.1	347.5	304.2
	1998	174.6	114.1	331.7	322.8	368.2	304.8	252.5	188.9	241.8
	1999	218.6	168.2	264.2	270.6	288.2	261.4	193.8	172.5	299.0
Ohmar	1994	520.1	442.0	780.1	930.6	831.6	626.9	781.1	580.1	687.4
	1995	261.7	395.7	840.1	819.3	630.9	538.8	547.7	542.4	494.5
	1996	553.9	603.0	816.7	842.8	484.6	506.1	389.9	478.8	558.1
	1997	39.8	521.7	720.1	640.4	765.6	677.2	703.9	783.5	686.3
	1998	390.5	375.7	717.8	806.6	920.3	691.0	669.4	670.3	693.6
	1999	571.4	467.6	797.7	765.4	642.7	659.7	556.9	585.9	613.5
Oleander	1994	461.3	493.6	843.9	958.4	626.9	648.9	550.9	802.9	605.7
	1995	233.5	474.9	796.4	840.6	557.3	591.3	620.6	696.8	447.5
	1996	418.3	404.6	625.1	684.8	589.8	534.8	540.0	436.0	445.0
	1997	39.3	495.1	811.9	829.6	648.0	577.3	743.7	610.6	616.8
	1998	436.4	357.8	821.1	810.2	849.0	629.5	695.7	508.3	551.8
	1999	472.1	472.5	758.9	617.1	676.6	700.2	770.9	567.9	569.6
Olive	1994	669.7	334.8	679.7	831.2	844.2	698.3	732.0	879.9	653.5
	1995	408.5	437.8	795.5	929.3	847.0	785.3	892.1	803.1	511.3
	1996	574.6	529.0	626.5	763.8	659.1	703.4	829.7	695.7	663.4
	1997	60.7	565.3	725.7	1057.2	896.7	817.7	736.5	640.4	699.3
	1998	920.5	400.5	572.0	1062.7	954.7	666.2	618.0	867.2	599.4
	1999	1061.0	736.8	685.2	760.2	1074.9	664.9	500.2	606.9	540.0
Orange	1994	472.3	313.4	932.8	780.3	697.4	533.9	684.2	636.3	423.3
	1995	180.4	281.5	769.0	758.3	555.9	473.7	553.8	658.1	447.0
	1996	329.3	387.5	479.0	629.7	686.3	549.8	517.2	457.0	435.3
	1997	36.9	399.0	676.8	639.3	667.6	491.0	541.3	423.1	452.6
	1998	271.8	288.4	714.7	682.4	940.1	564.4	394.9	746.6	511.5
	1999	251.2	494.9	577.6	598.9	589.3	493.5	313.8	360.2	684.0
Orient	1994									
	1995							293.3	230.5	240.8
	1996	153.3	178.8	236.5	282.8	291.2	203.1	225.1	173.1	204.4
	1997	15.6	194.7	320.2	322.6	362.5	306.8	229.9	260.7	254.9
	1998	217.3	0.0	256.5	320.1	353.9	312.8	201.8	222.3	199.5
	1999	198.1	169.1	198.9	269.5	268.1	186.6	150.2	149.5	271.6

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Orita	1994	538.8	383.9	730.4	917.2	532.3	324.1	487.8	485.9	393.6
	1995	211.6	301.3	713.1	773.9	505.5	436.5	381.0	462.5	431.0
	1996	356.2	432.4	560.5	682.8	415.9	413.9	515.6	428.8	616.1
	1997	30.4	546.7	675.3	680.3	720.6	642.6	631.1	503.5	618.3
	1998	387.6	322.0	727.1	809.9	629.4	405.4	601.0	447.2	745.8
	1999	408.7	426.4	662.0	688.7	681.0	654.0	450.1	420.2	550.3
Osage	1994	459.4	380.4	781.5	860.9	428.4	411.5	343.0	415.5	379.3
	1995	214.9	439.5	820.4	679.7	384.1	483.0	523.4	591.6	360.7
	1996	472.2	472.3	699.0	784.1	470.9	578.3	521.0	502.1	455.5
	1997	23.8	493.1	715.9	649.0	556.6	565.2	777.8	481.0	544.6
	1998	385.9	336.9	728.8	597.5	471.7	459.9	351.9	408.5	460.6
	1999	443.9	402.0	701.2	542.2	550.2	538.9	413.8	336.7	499.9
Oxalis	1994	468.1	282.8	772.2	830.6	736.0	596.1	635.8	671.5	582.9
	1995	196.4	357.3	705.6	917.7	507.4	656.4	539.8	631.6	462.6
	1996	251.1	409.1	587.8	604.3	641.2	617.0	583.5	560.6	586.5
	1997	27.6	540.0	747.4	974.0	810.1	612.2	692.7	777.1	793.6
	1998	444.3	336.6	732.2	761.6	973.8	714.9	600.5	775.4	492.1
	1999	421.9	601.1	709.5	611.1	809.9	804.1	682.6	634.1	482.7

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Palm	1994									
	1995							557.0	562.0	417.7
	1996	420.2	392.6	558.3	599.8	577.0	445.1	495.6	436.4	591.6
	1997	54.7	467.8	689.7	797.6	642.3	443.3	555.5	457.4	573.7
	1998	487.5	347.2	669.6	677.6	669.8	508.0	498.1	546.2	553.7
	1999	583.2	465.5	567.7	536.7	571.7	520.0	623.3	441.1	578.5
Palmetto	1994	781.5	531.4	1141.4	1074.7	1281.9	1034.0	962.7	1028.9	879.3
	1995	406.9	602.6	1107.6	1084.5	882.0	881.3	859.8	897.0	591.8
	1996	713.2	610.2	942.6	952.9	798.6	752.5	760.6	752.4	866.2
	1997	77.6	699.1	1123.2	1235.7	1024.3	849.3	910.6	750.9	948.3
	1998	712.3	478.1	1088.2	1097.4	1203.1	943.6	863.4	867.5	941.6
	1999	816.8	669.4	936.0	898.9	1042.2	981.9	1072.7	732.3	871.5
Peach	1994	186.0	105.4	333.0	479.1	451.1	418.3	392.9	240.5	285.5
	1995	96.7	125.4	437.2	471.2	332.1	318.0	332.3	276.1	267.6
	1996	161.0	244.7	326.0	353.7	309.5	241.9	344.1	200.2	255.6
	1997	17.7	264.0	357.3	458.2	387.9	303.6	406.6	322.2	361.9
	1998	193.7	147.1	304.4	466.7	397.4	321.1	340.8	246.0	290.4
	1999	185.9	206.2	269.3	368.7	377.2	305.6	406.3	263.2	330.6
Pepper	1994	279.9	141.3	420.6						
	1995							283.3	275.6	322.8
	1996	220.6	182.2	359.2	404.4	311.7	343.0	308.5	347.3	182.8
	1997	21.8	308.1	412.3	467.6	367.7	350.8	443.8	339.3	340.8
	1998	261.8	178.0	414.7	415.1	505.9	349.0	367.4	319.8	274.0
	1999	245.5	290.8	381.2	331.9	425.1	386.9	314.0	143.1	368.5
Pine	1994									
	1995							498.2	429.5	431.9
	1996	163.3	348.1	435.8	438.6	526.8	373.8	378.9	469.3	318.3
	1997	20.3	342.1	527.9	584.3	646.8	495.2	484.4	506.6	481.8
	1998	227.3	246.9	519.7	509.7	667.9	543.5	410.9	486.4	466.8
	1999	339.6	241.8	352.5	361.4	636.3	516.0	389.1	449.4	532.8
Plum	1994	315.5	253.0	368.1	507.9	372.6	356.0	359.0	394.1	308.8
	1995	115.6	144.4	537.1	493.5	403.7	314.2	295.3	324.5	198.2
	1996	200.6	217.6	381.8	386.5	412.3	253.7	354.2	212.6	148.7
	1997	16.5	312.8	422.3	477.3	343.5	348.4	401.4	337.2	286.9
	1998	168.3	189.1	471.0	494.6	447.2	421.6	401.5	231.3	331.6
	1999	243.4	306.3	322.1	435.4	534.3	445.6	326.2	320.3	434.1
Pomelo	1994									
	1995							321.6	369.3	366.0
	1996	219.4	231.3	364.9	340.2	328.2	236.6	284.5	275.1	250.5

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Drain	1997	19.3	331.6	433.1	445.8	412.3	353.1	371.5	346.8	236.9
	1998	324.4	205.0	335.6	436.7	429.7	375.7	387.8	274.1	333.4
	1999	196.5	217.5	389.1	334.6	320.6	335.5	295.1	178.7	330.2
Rockwood	1994	97.8	61.5	294.0	297.6	176.0	175.2	147.5	225.7	182.3
	1995	55.9	48.4	256.2	293.9	256.1	165.5	154.6	261.6	110.5
	1996	122.8	143.1	201.2	283.3	207.6	96.8	72.4	188.3	127.2
	1997	13.5	151.2	260.0	319.6	128.6	107.9	156.0	200.4	141.8
	1998	69.7	86.2	268.9	321.5	359.5	258.7	185.1	233.7	232.7
	1999	91.4	150.9	236.5	261.4	298.1	238.1	283.7	163.8	123.3
Schali	1994	367.8	135.8	290.9	350.1	347.1	270.4	317.2	146.5	169.5
	1995	108.5	129.2	361.6	330.7	311.2	245.3	263.4	252.7	224.8
	1996	224.9	201.5	307.8	256.2	312.1	255.2	261.8	117.2	213.4
	1997	14.1	224.8	399.5	321.7	350.9	280.7	317.7	253.6	266.1
	1998	86.7	134.7	365.0	290.3	316.7	270.2	297.7	289.3	242.0
	1999	207.4	180.2	335.4	293.3	356.8	315.3	272.1	360.8	229.4
South Alamo	1994	64.2	110.4	95.7	161.6	145.5	137.1	95.5	83.1	53.5
	1995	30.2	39.3	116.6	127.7	115.4	95.5	91.0	67.1	62.8
	1998	363.6	45.1	612.2	642.7	450.3	461.0	507.8	390.0	679.8
	1999	404.8	358.5	613.8	471.8	451.0	477.5	466.5	496.9	644.7

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1996	43.3	62.7	116.1	114.2	98.4	93.9	110.4	85.6	67.8
	1997	6.2	108.8	118.0	125.3	140.2	129.9	65.9	86.8	88.0
	1998	63.4	60.7	102.0	132.9	141.9	85.0	86.9	75.0	88.6
	1999	50.8	76.4	77.0	122.4	159.1	75.9	68.3	61.2	93.8
Standard	1994	416.1	333.5	897.1	1006.0	674.6				
	1995									
	1996									
	1997									
	1998									
Toland	1994	14.9	14.2	19.9	24.2	23.0	19.8	20.0	23.9	13.6
	1995	7.0	13.9	26.2	21.8	15.1	13.9	17.0	19.5	11.2
	1996	11.5	12.1	19.8	15.9	17.0	9.8	24.2	15.1	14.5
	1997	1.3	12.7	10.6	21.5	22.0	22.4	22.0	18.7	15.7
	1998	13.1	10.3	13.8	21.1	27.4	7.6	28.5	9.0	15.3
	1999	13.5	14.6	10.8	19.2	21.4	15.8	32.0	16.0	0.0
Township	1994									
	1995							326.1	311.5	190.7
	1996	227.2	237.7	438.4	362.8	337.8	297.2	307.7	109.2	325.0
	1997	24.9	297.9	467.5	455.3	441.4	330.2	333.5	134.4	387.3
	1998	239.1	204.1	422.5	434.2	423.5	427.9	343.0	344.9	368.1
	1999	240.1	241.7	396.8	403.2	429.6	359.9	343.4	209.3	239.7
Vail 1	1994	44.6	37.6	40.2	64.3	92.0	77.2	77.6	87.3	76.9
	1995	28.1	31.4	52.0	73.3	64.8	52.5	65.4	75.3	25.9
	1996	31.6	34.5	28.6	61.2	57.2	66.6	31.3	76.3	88.1
	1997	3.7	119.1	52.0	113.6	122.2	57.8	63.7	96.4	42.2
	1998	65.4	49.0	137.2	151.1	19.2	61.3	59.0	85.7	65.4
	1999	86.5	98.4	148.4	55.3	63.9	7.3	66.1	73.6	64.3
Vail 2	1994	38.5	11.9	46.4	39.7	39.2	30.2	35.1	36.2	29.7
	1995	15.0	22.6	39.3	50.7	37.5	27.8	32.7	33.0	19.5
	1996	21.5	21.5	39.7	45.9	28.5	22.0	28.7	29.8	19.6
	1997	2.5	29.3	47.9	49.6	45.8	29.3	44.6	38.1	18.6
	1998	31.1	17.3	41.2	50.0	57.0	35.1	42.1	33.8	39.6
	1999	25.2	26.9	40.8	40.2	38.7	31.1	43.2	31.3	45.8
Warren	1994	819.4	524.4	1181.8	1269.3	1243.0	856.5	989.1	823.5	904.1
	1995	396.7	594.3	1186.2	1245.0	950.3	827.1	859.7	784.0	581.8
	1996	677.7	630.6	978.7	1040.5	924.7	685.7	497.2	852.2	645.8
	1997	57.9	627.6	1077.7	1234.9	1279.0	1225.8	1086.6	1050.6	794.8
	1998	728.5	459.4	1100.0	1128.0	1291.8	1282.5	1048.0	882.7	956.6
	1999	914.8	610.2	930.0	912.1	1060.6	982.1	825.3	840.6	912.2

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wills	1994	144.4	72.7	216.3	273.2	250.1	197.5	210.4	226.3	218.4
	1995	51.4	105.6	287.9	301.7	170.5	165.5	164.1	153.6	177.6
	1996	101.7	126.5	206.0	244.9	158.2	196.4	258.2	187.0	222.7
	1997	11.4	136.6	309.1	272.8	177.9	218.5	281.4	202.1	278.4
	1998	82.7	89.8	195.7	264.3	255.7	242.6	259.5	195.3	214.2
	1999	39.0	141.2	185.3	251.5	302.5	197.7	240.8	143.1	250.0
Wores	1994	132.2	54.6	189.3	216.4	199.7	168.5	130.5	135.1	60.7
	1995	52.0	76.2	159.0	255.8	137.4	120.3	110.3	147.4	80.0
	1996	116.9	139.1	118.8	123.4	175.0	129.1	158.1	183.2	106.7
	1997	10.0	154.8	243.5	213.9	122.7	158.0	155.3	195.2	224.4
	1998	86.6	80.3	196.7	200.4	229.4	204.6	107.8	151.7	210.1
	1999	48.1	90.7	170.6	128.9	187.7	175.9	203.6	69.0	146.1

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	2282.3	2022.9	3023.4	3606.7	3591.9	2758.4	2763.0	3001.0	2918.9	3334.2	2862.9	2064.6
	1995	1162.1	2029.8	3536.5	3562.2	2794.0	2337.6	2582.5	3036.1	2394.8	2936.9	2314.2	1810.1
	1996	2108.3	2087.2	2791.7	3040.1	2928.9	2454.1	2401.6	2305.5	2457.8	3059.9	2353.2	2224.0
	1997	217.1	2503.2	3418.7	3635.3	3426.5	2689.7	2840.5	3090.2	3504.5	3082.1	2721.4	1856.0
	1998	2273.0	1663.9	3111.5	3746.8	3711.4	3044.6	2239.3	2851.6	2953.0	3320.5	2320.6	2093.6
	1999	2004.9	2196.5	2788.8	3253.2	3066.4	2590.4	2316.8	2236.7	2585.5			
All-American	1994	0.0	0.0	179.3	223.2	195.3	171.1	187.1	149.2	61.4	6.2	7.0	2.7
	1995	0.0	13.4	228.6	187.7	107.3	144.4	157.7	82.0	2.6	6.9	3.5	156.6
	1996	134.0	102.8	124.6	127.6	0.0	0.0	26.7	141.3	76.4	163.0	113.0	111.3
	1997	11.1	79.1	111.5	152.5	174.0	171.1	151.6	54.5	0.0	281.2	0.0	21.1
	1998	121.2	0.0	98.7	134.3	104.0	0.0	0.0	164.5	0.0	189.9	82.7	13.9
	1999	105.4	0.0	146.2	84.2	158.8	124.4	118.0	83.5	215.1			
Bailey	1994	86.1	58.0	76.8	85.2	58.7	23.3	85.7	61.6	90.3	61.8	44.0	56.5
	1995	35.2	36.3	62.2	100.2	39.7	16.6	46.7	115.1	22.5	112.4	66.1	32.9
	1996	54.2	37.2	78.3	81.8	60.3	39.5	68.5	54.7	25.6	64.8	50.3	48.6
	1997	3.8	81.3	88.2	62.4	46.8	35.2	112.2	41.4	104.6	40.1	46.5	53.9
	1998	85.8	41.3	92.7	105.0	59.9	91.9	68.8	87.8	131.7	75.0	77.9	51.2
	1999	68.6	57.6	69.9	60.1	61.1	78.2	158.9	75.4	110.6			
Bryan	1994	98.7	124.6	554.7	549.6	440.4	520.6	665.5	577.3	345.0	485.2	283.3	340.2
	1995	128.1	365.4	602.6	595.2	406.0	282.7	370.4	467.1	305.7	293.3	304.7	290.8
	1996	203.6	288.6	525.9	408.5	320.5	415.0	423.0	409.0	429.1	289.1	326.0	213.7
	1997	30.1	301.2	599.4	565.9	573.2	541.9	540.5	555.4	406.2	172.0	235.5	304.2
	1998	243.7	198.5	564.6	559.9	442.5	444.9	416.4	501.9	266.6	314.2	154.8	198.0
	1999	336.1	204.7	507.3	483.6	519.7	478.5	587.1	438.9	387.2			
C	1994	641.8	771.1	1301.1	1643.9	1313.3	997.8	1223.9	1243.5	1103.1	871.1	813.4	781.5
	1995	330.6	841.0	1373.9	1412.7	1041.6	963.0	882.3	1313.3	721.6	720.6	681.6	558.6
	1996	582.4	926.1	1271.8	1260.7	890.1	731.7	862.6	744.0	1327.4	781.0	661.9	607.1
	1997	61.6	1099.4	1448.9	1190.0	1015.2	830.6	1192.3	1150.9	1126.9	968.5	769.4	683.4
	1998	610.6	694.0	1437.3	1557.6	1420.3	1417.2	1362.0	1345.4	1286.4	880.1	730.7	549.2
	1999	635.5	871.3	1226.8	1104.3	1447.7	1319.9	1101.4	925.1	1384.5			
D	1994	120.0	77.5	189.1	190.5	137.0	126.2	116.7	133.6	120.5	121.6	75.8	154.9
	1995	67.0	121.7	198.9	205.2	151.9	86.6	89.0	71.6	105.7	149.7	127.1	129.7
	1996	114.1	105.4	176.7	163.6	123.7	90.5	91.6	49.0	65.6	97.3	134.4	103.8
	1997	13.1	124.9	186.2	199.5	138.2	123.0	178.7	186.8	116.6	141.7	93.3	110.5
	1998	134.9	80.8	220.0	211.0	143.8	131.3	161.3	142.7	191.6	149.8	87.9	95.2
	1999	125.1	95.2	204.2	162.8	191.8	118.1	123.6	180.2	151.6			
Darling	1994	322.3	354.1	853.7	1023.6	371.4	341.7	360.6	388.8	388.8	561.0	445.4	190.4
	1995	148.7	277.4	579.5	620.6	461.3	488.5	394.2	490.2	334.5	506.1	269.2	173.6
	1996	298.3	341.2	536.3	685.1	341.6	405.2	449.2	379.1	360.0	484.6	333.0	297.1
	1997	26.2	297.6	556.7	635.7	581.0	594.8	648.4	622.0	476.0	366.4	336.5	205.2

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	215.3	242.2	522.7	711.1	623.5	443.4	702.2	386.7	501.3	387.1	269.6	260.6
	1999	289.9	306.4	625.2	429.6	631.0	671.7	310.5	382.4	372.3			
E	1994	589.9	416.9	859.0	1104.7	1026.4	807.6	839.4	953.2	812.4	580.8	608.4	556.5
	1995	277.5	704.4	866.1	1011.3	838.1	785.1	738.4	922.2	619.7	686.6	505.0	591.4
	1996	457.4	751.6	851.0	892.1	709.4	789.5	720.5	858.8	628.8	809.4	567.5	601.8
	1997	48.9	659.7	1170.8	1090.7	983.0	675.6	890.5	921.8	856.2	796.3	698.4	531.5
	1998	507.1	474.0	980.8	1072.8	1364.2	971.4	815.2	921.0	961.3	1186.5	492.3	509.8
	1999	559.3	530.7	908.8	1007.6	1115.9	1070.6	1000.7	748.3	782.2			
G	1994	908.8	667.7	1226.8	1891.8	1480.5	1326.5	1355.6	1291.6	854.7	1121.5	942.5	867.3
	1995	529.5	1034.3	1643.4	1725.7	1449.6	1228.1	1557.1	1541.3	855.3	1436.1	1075.2	973.8
	1996	993.5	1035.9	1632.3	1576.0	1469.9	1402.0	1465.0	1131.1	1208.6	1110.2	859.4	1276.8
	1997	170.8	1162.8	1895.7	1983.6	1380.4	1315.5	1735.6	1543.0	1773.4	1096.5	973.6	1068.3
	1998	883.6	245.3	1725.5	1895.1	1986.5	1529.4	1668.6	1504.2	1670.0	1316.9	1020.6	955.0
	1999	805.8	820.5	1381.4	1588.1	1549.0	1199.4	1146.7	1025.8	838.8	109.4	105.0	105.6
Graeser	1994	79.0	34.8	158.4	133.0	136.8	126.8	147.1	123.2	30.8	41.8	55.3	91.3

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1995	30.1	97.4	124.0	197.3	31.2	108.0	72.0	58.1	140.0
	1996	64.9	87.3	122.7	83.0	77.4	142.2	84.3	96.2	74.3
	1997	1.4	137.4	174.1	209.4	68.1	141.0	130.6	70.9	181.1
	1998	100.3	71.8	142.9	129.0	176.5	152.2	138.9	143.7	133.8
	1999	22.5	109.1	151.9	66.8	146.5	128.5	141.6	103.2	138.4
I	1994	589.2	635.4	1259.3	1250.8	995.5	828.0	686.4	844.5	992.9
	1995	342.3	677.3	1643.3	1585.9	1067.9	1065.8	1300.5	1185.0	809.2
	1996	692.6	962.2	1208.7	1271.8	847.5	741.2	862.9	570.1	1057.0
	1997	71.7	898.5	1775.1	1565.7	1338.0	1058.8	1068.4	1099.1	1340.5
	1998	564.4	633.3	1290.4	1142.2	1114.2	1228.2	1317.9	1173.2	1099.4
	1999	607.8	927.6	1316.4	1050.4	1238.6	1078.8	1033.2	706.7	962.2
J	1994	334.6	510.3	597.0	678.5	559.9	534.1	601.4	421.8	441.0
	1995	213.3	424.9	717.2	928.3	632.9	514.4	602.3	676.4	552.6
	1996	448.8	471.9	760.9	706.2	585.1	599.8	647.8	521.7	655.2
	1997	43.8	507.3	1179.8	1091.8	895.7	667.1	761.9	848.0	643.8
	1998	363.1	369.9	891.7	864.6	663.2	713.4	654.5	917.1	855.9
	1999	384.0	498.0	789.9	724.1	863.5	787.9	736.5	571.2	706.4
Jones	1994	39.3	27.4	55.5	70.5	1.4	45.3	24.5	30.5	34.2
	1995	14.0	22.9	25.2	23.2	17.0	42.8	43.6	19.6	28.1
	1996	19.9	21.2	35.9	37.5	21.8	42.5	36.0	26.3	28.8
	1997	2.4	22.8	32.9	28.8	48.2	31.6	36.3	23.6	44.8
	1998	32.7	18.1	52.4	54.6	29.2	51.0	48.5	36.7	25.5
	1999	16.9	24.0	47.8	40.2	41.1	58.2	45.6	31.7	55.0
K	1994	270.9	246.8	607.9	815.5	599.4	454.3	486.6	585.2	594.5
	1995	116.6	437.5	625.0	700.7	456.0	313.2	498.0	519.1	452.7
	1996	188.3	483.0	730.9	688.1	506.6	634.1	444.9	695.6	579.1
	1997	18.1	753.5	937.3	1137.9	964.6	486.8	1054.6	1161.0	941.3
	1998	269.1	367.0	1038.3	947.7	836.2	667.6	888.3	918.8	888.5
	1999	187.3	453.0	896.6	828.0	974.0	860.6	697.5	737.4	696.4
L	1994	495.2	431.7	707.0	826.9	638.0	333.3	461.3	413.3	389.7
	1995	207.5	504.6	677.9	726.0	630.6	411.6	526.4	484.6	508.1
	1996	372.1	518.7	645.9	587.8	383.2	393.4	356.1	478.5	456.2
	1997	29.7	496.6	778.5	738.4	771.0	549.4	705.0	757.8	673.8
	1998	406.1	356.5	635.3	711.5	866.9	679.4	689.0	684.9	636.4
	1999	378.2	361.9	780.4	642.1	814.3	639.0	745.0	574.9	584.1
Lewis	1994	215.8	61.0	244.1	219.7	133.5	172.5	162.1	186.5	111.3
	1995	87.8	193.7	326.9	287.9	116.0	103.3	114.0	171.3	123.9
	1996	126.3	76.5	207.5	174.5	138.3	168.5	132.5	109.0	146.7
	1997	9.5	125.3	255.5	216.8	231.5	175.8	131.3	79.1	157.7
	1998	172.7	90.4	195.7	213.9	291.8	286.1	134.1	177.8	112.4

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1999	221.6	136.9	286.6	251.3	163.2	77.5	199.8	72.6	188.0
M	1994	217.9	255.9	531.3	585.8	501.3	365.5	324.8	453.9	308.0
	1995	140.0	334.5	510.5	510.7	396.6	347.6	357.4	461.3	308.2
	1996	213.3	344.2	505.2	414.1	380.8	435.4	475.7	411.5	268.7
	1997	22.6	381.3	560.9	649.4	522.7	492.2	434.4	622.0	479.4
	1998	352.2	253.4	531.6	534.2	530.6	588.3	506.9	520.5	399.5
	1999	298.2	329.6	518.2	423.2	479.9	460.4	507.0	459.0	494.4
Magnolia	1994	217.3	133.3	424.7	500.6	422.8	324.1	419.8	437.1	391.7
	1995	121.4	226.9	446.0	454.2	298.1	327.5	320.2	326.3	157.7
	1996	232.0	325.0	316.6	338.2	296.9	210.2	313.3	324.3	246.4
	1997	17.8	199.0	423.3	346.8	416.5	336.9	398.9	462.1	412.7
	1998	220.0	176.0	411.1	409.4	407.3	377.2	295.3	288.6	255.4
	1999	282.8	248.4	375.9	315.0	327.7	335.1	291.3	356.5	278.7
Malva	1994	301.4	302.8	505.5	684.2	0.0	0.0	0.0	0.0	0.0
	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1996	365.6	418.0	573.0	575.3	447.5	308.8	357.7	260.1	562.2
	1997	39.8	402.0	728.7	719.2	739.3	535.8	484.4	495.0	496.5

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1998	363.6	45.1	612.2	642.7	450.3	461.0	507.8	390.0	679.8
	1999	404.8	358.5	613.8	471.8	451.0	477.5	466.5	496.9	644.7
Maple	1994	439.7	489.7	888.1	943.6	496.9	558.2	706.2	482.3	527.6
	1995	48.6	324.5	800.3	876.2	516.5	502.9	687.9	590.0	433.7
	1996	438.9	447.2	689.7	738.3	519.5	408.2	421.8	415.8	325.0
	1997	39.1	562.0	824.9	898.3	515.4	536.2	538.5	443.2	458.7
	1998	391.0	55.5	903.3	859.5	783.7	638.7	696.5	649.0	830.0
	1999	586.3	401.7	819.8	789.0	692.2	546.4	790.9	386.0	707.4
Marigold	1994	359.5	183.4	801.1	763.7	555.5				
	1995									
	1996									
	1997									
	1998									
	1999									
Mayflower	1994	421.2	298.4	836.6	802.1	759.3				
	1995	0.0								
	1996									
	1997									
	1998									
	1999									
Mesquite	1994	1344.5	970.4	2735.3	2934.6	2254.3	1855.1	2153.2	2213.3	2063.3
	1995	685.0	1109.2	2596.1	2603.9	2002.3	1858.3	1867.1	1948.8	1682.7
	1996	1281.4	1130.1	2050.8	2410.1	1655.9	1770.5	1792.4	1687.8	1881.3
	1997	117.0	1694.8	2616.5	2802.6	2389.2	2049.3	2319.6	2334.4	2047.7
	1998	1134.8	995.1	2775.1	2691.7	2558.3	1945.7	1942.3	1911.9	1909.8
	1999	1461.3	1581.9	2324.9	2060.8	2542.7	2099.8	2236.8	1762.0	1905.6
Moorehead	1994	87.4	68.2	80.9	157.0	34.8	35.7	107.8	126.3	96.8
	1995	24.7	61.2	74.8	124.2	73.2	35.2	72.4	94.4	65.7
	1996	35.1	61.9	77.3	62.3	22.9	65.1	28.1	74.4	53.9
	1997	1.1	20.7	88.8	55.2	81.6	117.1	104.4	117.4	102.5
	1998	53.0	39.6	53.6	87.7	112.4	119.7	150.5	165.5	153.2
	1999	50.4	46.7	72.7	62.8	124.6	119.0	117.6	125.6	144.0
Moss	1994	281.2	256.8	504.5	508.1	530.4	448.3	453.1	442.2	346.0
	1995	161.4	369.5	692.3	528.5	407.0	333.8	448.6	473.1	126.5
	1996	251.5	415.0	504.3	548.5	320.9	356.6	390.6	423.0	331.7
	1997	26.2	351.4	630.2	612.6	374.2	438.7	473.4	457.9	395.2
	1998	374.6	279.8	555.2	642.2	420.8	352.3	436.2	420.4	530.7
	1999	341.2	422.1	601.4	515.6	528.2	502.2	481.0	414.7	511.5
Mulberry	1994	477.1	312.2	877.7	893.0	772.2	798.6			

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1995									
	1996	464.8	629.0	829.2	712.9	577.8	583.3	649.0	456.8	743.5
	1997	49.0	667.1	1016.5	983.2	742.2	589.0	707.3	635.2	1055.7
	1998	513.1	412.9	933.9	908.0	769.9	881.5	609.6	761.4	1007.4
	1999	625.7	503.3	808.8	765.7	718.5	827.2	854.7	550.8	794.1
Mullen	1994	504.0	292.3	748.8	804.7	657.4	673.8	673.7	478.8	431.9
	1995	196.5	305.2	715.5	914.4	585.0	493.8	588.5	462.9	415.7
	1996	345.2	457.3	575.4	607.4	411.5	585.5	646.9	471.3	536.0
	1997	34.7	489.1	813.8	872.1	678.8	673.4	627.9	734.4	820.9
	1998	343.6	315.9	729.3	743.2	801.4	724.0	761.3	722.0	497.0
	1999	307.7	502.6	734.7	637.8	744.5	685.9	627.7	611.8	556.0
Munyon	1994	457.6	316.0	626.0	811.2	447.3	407.6	527.5	406.8	500.3
	1995	207.1	367.9	651.4	681.9	408.3	398.2	471.1	349.5	330.0
	1996	338.7	341.0	533.4	590.6	301.5	447.0	437.9	364.6	516.1
	1997	37.4	420.8	648.6	771.8	572.7	478.8	537.1	436.8	552.3
	1998	376.2	255.7	620.5	671.6	534.8	610.8	501.4	603.6	348.8
	1999	398.1	215.2	606.7	454.7	430.3	576.9	600.3	488.7	456.2

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Myrtle	1994	344.7	192.4	545.8	458.7	486.9	389.3	657.0	440.5	339.3
	1995	169.7	239.6	575.9	587.5	500.5	468.6	409.6	442.7	320.3
	1996	251.7	367.9	430.4	398.4	454.0	355.7	481.3	387.2	379.5
	1997	32.2	360.0	591.9	627.7	530.0	407.5	544.6	473.8	529.7
	1998	329.6	224.4	631.8	587.2	541.9	549.7	455.2	435.9	407.3
	1999	346.2	286.4	577.1	502.0	445.4	546.3	430.0	406.4	492.9
N	1994	307.6	218.6	433.7	515.0	449.0	311.6	495.0	502.0	413.5
	1995	147.7	279.1	619.7	663.6	500.6	335.7	357.9	538.9	367.7
	1996	238.5	230.1	463.6	515.4	377.2	285.9	369.9	410.2	339.7
	1997	24.2	306.6	655.6	735.8	546.9	425.3	398.2	501.1	379.6
	1998	309.2	195.9	540.4	561.0	472.8	304.5	371.2	472.8	541.8
	1999	289.2	242.8	495.6	601.0	458.7	501.4	445.3	237.9	344.5
Narcissus	1994	209.6	295.3	828.2	772.4	715.4	662.3			
	1995									
	1996									
	1997									
	1998									
	1999									
Nectarine	1994	422.8	284.3	857.1	849.6					
	1995									
	1996	629.4	448.7	748.8	696.2	340.3	545.4	648.9	364.0	423.7
	1997	43.6	621.1	840.1	785.6	519.2	512.6	580.9	465.9	818.6
	1998	510.6	362.3	885.1	824.0	640.5	545.5	719.1	534.7	917.7
	1999	582.4	512.6	775.5	677.1	759.9	772.4	674.6	683.5	658.5
Nettle	1994	468.6	401.5	990.9	998.1	799.5	681.4	697.5		
	1995									
	1996	340.4	564.4	766.2	838.1	538.9	436.3	574.3	324.2	417.3
	1997	40.2	535.9	966.4	929.7	593.7	506.7	702.8	597.4	875.8
	1998	396.9	373.7	968.5	877.0	723.4	841.6	624.3	770.4	776.2
	1999	437.3	415.6	866.2	823.5	694.5	543.5	686.4	666.3	767.6
Ninth St.	1994	52.9	85.0	133.9	147.6	69.1	40.9	35.5	104.2	9.5
	1995	30.9	57.9	110.9	161.7	88.8	100.9	78.2	81.6	40.0
	1996	31.4	47.5	83.4	103.3	72.3	73.9	81.3	111.3	67.7
	1997	7.9	40.3	112.3	111.3	91.1	83.1	81.6	80.3	58.8
	1998	66.8	44.8	90.4	146.0	127.3	76.7	108.7	47.7	124.5
	1999	61.2	64.0	114.6	102.2	90.0	98.9	75.7	58.9	85.2
Nutmeg	1994	651.1	255.9	824.4	881.1					
	1995	0.0								
	1996	374.2	498.8	683.3	843.4	617.4	532.6	482.6	421.7	625.1
	1997	35.3	615.0	904.8	870.5	780.7	417.2	685.2	487.5	595.4

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Drain	1998	509.5	371.6	951.0	972.1	850.4	910.5	847.4	777.6	976.2
	1999	541.9	539.3	877.7	661.4	758.6	742.9	654.4	764.2	936.4
Oak	1994	459.1	271.5	491.9	624.6	573.1	462.9	452.5	470.8	335.2
	1995	209.3	406.7	724.3	695.2	428.7	424.1	459.9	373.7	274.6
	1996	362.2	372.2	542.9	542.3	322.5	506.4	412.9	545.2	388.1
	1997	31.3	366.3	589.2	640.4	384.9	575.2	622.1	562.6	636.5
	1998	355.7	284.0	628.1	556.6	534.8	582.3	524.5	503.5	601.2
	1999	474.6	358.8	617.5	456.9	372.3	566.2	552.1	301.3	434.6
Oasis	1994									
	1995							229.0	164.7	0.0
	1996	220.3	117.6	265.9	245.6	226.7	223.4	181.0	119.4	193.2
	1997	14.2	186.8	279.0	264.6	295.3	265.7	287.9	233.4	237.7
	1998	131.1	116.2	264.4	330.4	271.2	246.0	173.3	131.8	224.1
	1999	229.5	140.1	259.9	246.7	259.2	167.3	165.2	137.4	212.9
Oat	1994									
	1995							214.3	0.0	152.7
	1996	91.1	180.2	202.2	236.6	244.2	181.5	194.6	160.4	172.7

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1997	8.6	217.2	289.1	329.0	319.1	223.4	229.2	194.8	299.6
	1998	166.4	0.0	285.2	294.5	361.2	266.7	223.4	184.8	217.0
	1999	147.9	152.5	274.6	237.8	270.1	244.6	262.8	162.6	261.9
Occident	1994	148.0	153.7	305.8	342.6	387.2	327.4	315.4	295.5	314.6
	1995	97.6	131.4	352.5	278.0	280.3	273.4	252.0	238.9	229.3
	1996	189.8	144.4	267.8	251.2	237.6	212.9	207.8	215.6	172.3
	1997	17.3	147.2	298.8	388.3	326.9	289.4	267.1	347.5	304.2
	1998	174.6	114.1	331.7	322.8	368.2	304.8	252.5	188.9	241.8
	1999	218.6	168.2	264.2	270.6	288.2	261.4	193.8	172.5	299.0
Ohmar	1994	520.1	442.0	780.1	930.6	831.6	626.9	781.1	580.1	687.4
	1995	261.7	395.7	840.1	819.3	630.9	538.8	547.7	542.4	494.5
	1996	553.9	603.0	816.7	842.8	484.6	506.1	389.9	478.8	558.1
	1997	39.8	521.7	720.1	640.4	765.6	677.2	703.9	783.5	686.3
	1998	390.5	375.7	717.8	806.6	920.3	691.0	669.4	670.3	693.6
	1999	571.4	467.6	797.7	765.4	642.7	659.7	556.9	585.9	613.5
Oleander	1994	461.3	493.6	843.9	958.4	626.9	648.9	550.9	802.9	605.7
	1995	233.5	474.9	796.4	840.6	557.3	591.3	620.6	696.8	447.5
	1996	418.3	404.6	625.1	684.8	589.8	534.8	540.0	436.0	445.0
	1997	39.3	495.1	811.9	829.6	648.0	577.3	743.7	610.6	616.8
	1998	436.4	357.8	821.1	810.2	849.0	629.5	695.7	508.3	551.8
	1999	472.1	472.5	758.9	617.1	676.6	700.2	770.9	567.9	569.6
Olive	1994	669.7	334.8	679.7	831.2	844.2	698.3	732.0	879.9	653.5
	1995	408.5	437.8	795.5	929.3	847.0	785.3	892.1	803.1	511.3
	1996	574.6	529.0	626.5	763.8	659.1	703.4	829.7	695.7	663.4
	1997	60.7	565.3	725.7	1057.2	896.7	817.7	736.5	640.4	699.3
	1998	920.5	400.5	572.0	1062.7	954.7	666.2	618.0	867.2	599.4
	1999	1061.0	736.8	685.2	760.2	1074.9	664.9	500.2	606.9	540.0
Orange	1994	472.3	313.4	932.8	780.3	697.4	533.9	684.2	636.3	423.3
	1995	180.4	281.5	769.0	758.3	555.9	473.7	553.8	658.1	447.0
	1996	329.3	387.5	479.0	629.7	686.3	549.8	517.2	457.0	435.3
	1997	36.9	399.0	676.8	639.3	667.6	491.0	541.3	423.1	452.6
	1998	271.8	288.4	714.7	682.4	940.1	564.4	394.9	746.6	511.5
	1999	251.2	494.9	577.6	598.9	589.3	493.5	313.8	360.2	684.0
Orient	1994									
	1995							293.3	230.5	240.8
	1996	153.3	178.8	236.5	282.8	291.2	203.1	225.1	173.1	204.4
	1997	15.6	194.7	320.2	322.6	362.5	306.8	229.9	260.7	254.9
	1998	217.3	0.0	256.5	320.1	353.9	312.8	201.8	222.3	199.5
	1999	198.1	169.1	198.9	269.5	268.1	186.6	150.2	149.5	271.6

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Orita	1994	538.8	383.9	730.4	917.2	532.3	324.1	487.8	485.9	393.6
	1995	211.6	301.3	713.1	773.9	505.5	436.5	381.0	462.5	431.0
	1996	356.2	432.4	560.5	682.8	415.9	413.9	515.6	428.8	616.1
	1997	30.4	546.7	675.3	680.3	720.6	642.6	631.1	503.5	618.3
	1998	387.6	322.0	727.1	809.9	629.4	405.4	601.0	447.2	745.8
	1999	408.7	426.4	662.0	688.7	681.0	654.0	450.1	420.2	550.3
Osage	1994	459.4	380.4	781.5	860.9	428.4	411.5	343.0	415.5	379.3
	1995	214.9	439.5	820.4	679.7	384.1	483.0	523.4	591.6	360.7
	1996	472.2	472.3	699.0	784.1	470.9	578.3	521.0	502.1	455.5
	1997	23.8	493.1	715.9	649.0	556.6	565.2	777.8	481.0	544.6
	1998	385.9	336.9	728.8	597.5	471.7	459.9	351.9	408.5	460.6
	1999	443.9	402.0	701.2	542.2	550.2	538.9	413.8	336.7	499.9
Oxalis	1994	468.1	282.8	772.2	830.6	736.0	596.1	635.8	671.5	582.9
	1995	196.4	357.3	705.6	917.7	507.4	656.4	539.8	631.6	462.6
	1996	251.1	409.1	587.8	604.3	641.2	617.0	583.5	560.6	586.5
	1997	27.6	540.0	747.4	974.0	810.1	612.2	692.7	777.1	793.6
	1998	444.3	336.6	732.2	761.6	973.8	714.9	600.5	775.4	492.1
	1999	421.9	601.1	709.5	611.1	809.9	804.1	682.6	634.1	482.7

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Palm	1994									
	1995							557.0	562.0	417.7
	1996	420.2	392.6	558.3	599.8	577.0	445.1	495.6	436.4	591.6
	1997	54.7	467.8	689.7	797.6	642.3	443.3	555.5	457.4	573.7
	1998	487.5	347.2	669.6	677.6	669.8	508.0	498.1	546.2	553.7
	1999	583.2	465.5	567.7	536.7	571.7	520.0	623.3	441.1	578.5
Palmetto	1994	827.0	531.4	1141.4	1074.7	1328.8	1077.8	1006.9	1073.6	923.3
	1995	455.0	648.9	1107.6	1131.5	941.2	881.3	919.5	953.4	647.5
	1996	776.4	675.6	988.3	1004.1	837.2	803.5	800.6	788.3	905.9
	1997	128.8	744.0	1171.7	1283.6	1075.4	898.7	967.6	800.2	1002.7
	1998	766.3	526.5	1141.0	1147.9	1253.4	991.3	914.8	919.8	993.1
	1999	868.5	713.3	984.5	950.7	1095.7	1039.9	1121.3	787.3	918.5
Peach	1994	186.0	105.4	333.0	479.1	451.1	418.3	392.9	240.5	285.5
	1995	96.7	125.4	437.2	471.2	332.1	318.0	332.3	276.1	267.6
	1996	161.0	244.7	326.0	353.7	309.5	241.9	344.1	200.2	255.6
	1997	17.7	264.0	357.3	458.2	387.9	303.6	406.6	322.2	361.9
	1998	193.7	147.1	304.4	466.7	397.4	321.1	340.8	246.0	290.4
	1999	185.9	206.2	269.3	368.7	377.2	305.6	406.3	263.2	330.6
Pepper	1994	279.9	141.3	420.6						
	1995							283.3	275.6	322.8
	1996	220.6	182.2	359.2	404.4	311.7	343.0	308.5	347.3	182.8
	1997	21.8	308.1	412.3	467.6	367.7	350.8	443.8	339.3	340.8
	1998	261.8	178.0	414.7	415.1	505.9	349.0	367.4	319.8	274.0
	1999	245.5	290.8	381.2	331.9	425.1	386.9	314.0	143.1	368.5
Pine	1994									
	1995							498.2	429.5	431.9
	1996	163.3	348.1	435.8	438.6	526.8	373.8	378.9	469.3	318.3
	1997	20.3	342.1	527.9	584.3	646.8	495.2	484.4	506.6	481.8
	1998	227.3	246.9	519.7	509.7	667.9	543.5	410.9	486.4	466.8
	1999	339.6	241.8	352.5	361.4	636.3	516.0	389.1	449.4	532.8
Plum	1994	315.5	253.0	368.1	507.9	372.6	356.0	359.0	394.1	308.8
	1995	115.6	144.4	537.1	493.5	403.7	314.2	295.3	324.5	198.2
	1996	200.6	217.6	381.8	386.5	412.3	253.7	354.2	212.6	148.7
	1997	16.5	312.8	422.3	477.3	343.5	348.4	401.4	337.2	286.9
	1998	168.3	189.1	471.0	494.6	447.2	421.6	401.5	231.3	331.6
	1999	243.4	306.3	322.1	435.4	534.3	445.6	326.2	320.3	434.1
Pomelo	1994									
	1995							321.6	369.3	366.0
	1996	219.4	231.3	364.9	340.2	328.2	236.6	284.5	275.1	250.5

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1997	19.3	331.6	433.1	445.8	412.3	353.1	371.5	346.8	236.9
	1998	324.4	205.0	335.6	436.7	429.7	375.7	387.8	274.1	333.4
	1999	196.5	217.5	389.1	334.6	320.6	335.5	295.1	178.7	330.2
Rockwood	1994	97.8	61.5	294.0	297.6	176.0	175.2	147.5	225.7	182.3
	1995	55.9	48.4	256.2	293.9	256.1	165.5	154.6	261.6	110.5
	1996	122.8	143.1	201.2	283.3	207.6	96.8	72.4	188.3	127.2
	1997	13.5	151.2	260.0	319.6	128.6	107.9	156.0	200.4	141.8
	1998	69.7	86.2	268.9	321.5	359.5	258.7	185.1	233.7	232.7
	1999	91.4	150.9	236.5	261.4	298.1	238.1	283.7	163.8	123.3
Schali	1994	367.8	135.8	290.9	350.1	347.1	270.4	317.2	146.5	169.5
	1995	108.5	129.2	361.6	330.7	311.2	245.3	263.4	252.7	224.8
	1996	224.9	201.5	307.8	256.2	312.1	255.2	261.8	117.2	213.4
	1997	14.1	224.8	399.5	321.7	350.9	280.7	317.7	253.6	266.1
	1998	86.7	134.7	365.0	290.3	316.7	270.2	297.7	289.3	242.0
	1999	207.4	180.2	335.4	293.3	356.8	315.3	272.1	360.8	229.4
South Alamo	1994	64.2	110.4	95.7	161.6	145.5	137.1	95.5	83.1	53.5
	1995	30.2	39.3	116.6	127.7	115.4	95.5	91.0	67.1	62.8

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1996	43.3	62.7	116.1	114.2	98.4	93.9	110.4	85.6	67.8
	1997	6.2	108.8	118.0	125.3	140.2	129.9	65.9	86.8	88.0
	1998	63.4	60.7	102.0	132.9	141.9	85.0	86.9	75.0	88.6
	1999	50.8	76.4	77.0	122.4	159.1	75.9	68.3	61.2	93.8
Standard	1994	416.1	333.5	897.1	1006.0	674.6				
	1995									
	1996									
	1997									
	1998									
	1999									
Toland	1994	14.9	14.2	19.9	24.2	23.0	19.8	20.0	23.9	13.6
	1995	7.0	13.9	26.2	21.8	15.1	13.9	17.0	19.5	11.2
	1996	11.5	12.1	19.8	15.9	17.0	9.8	24.2	15.1	14.5
	1997	1.3	12.7	10.6	21.5	22.0	22.4	22.0	18.7	15.7
	1998	13.1	10.3	13.8	21.1	27.4	7.6	28.5	9.0	15.3
	1999	13.5	14.6	10.8	19.2	21.4	15.8	32.0	16.0	0.0
Township	1994									
	1995							326.1	311.5	190.7
	1996	227.2	237.7	438.4	362.8	337.8	297.2	307.7	109.2	325.0
	1997	24.9	297.9	467.5	455.3	441.4	330.2	333.5	134.4	387.3
	1998	239.1	204.1	422.5	434.2	423.5	427.9	343.0	344.9	368.1
	1999	240.1	241.7	396.8	403.2	429.6	359.9	343.4	209.3	239.7
Vail 1	1994	44.6	37.6	40.2	64.3	92.0	77.2	77.6	87.3	76.9
	1995	28.1	31.4	52.0	73.3	64.8	52.5	65.4	75.3	25.9
	1996	31.6	34.5	28.6	61.2	57.2	66.6	31.3	76.3	88.1
	1997	3.7	119.1	52.0	113.6	122.2	57.8	63.7	96.4	42.2
	1998	65.4	49.0	137.2	151.1	19.2	61.3	59.0	85.7	65.4
	1999	86.5	98.4	148.4	55.3	63.9	7.3	66.1	73.6	64.3
Vail 2	1994	38.5	11.9	46.4	39.7	39.2	30.2	35.1	36.2	29.7
	1995	15.0	22.6	39.3	50.7	37.5	27.8	32.7	33.0	19.5
	1996	21.5	21.5	39.7	45.9	28.5	22.0	28.7	29.8	19.6
	1997	2.5	29.3	47.9	49.6	45.8	29.3	44.6	38.1	18.6
	1998	31.1	17.3	41.2	50.0	57.0	35.1	42.1	33.8	39.6
	1999	25.2	26.9	40.8	40.2	38.7	31.1	43.2	31.3	45.8
Warren	1994	819.4	524.4	1181.8	1269.3	1243.0	856.5	989.1	823.5	904.1
	1995	396.7	594.3	1186.2	1245.0	950.3	827.1	859.7	784.0	581.8
	1996	677.7	630.6	978.7	1040.5	924.7	685.7	497.2	852.2	645.8
	1997	57.9	627.6	1077.7	1234.9	1279.0	1225.8	1086.6	1050.6	794.8
	1998	728.5	459.4	1100.0	1128.0	1291.8	1282.5	1048.0	882.7	956.6

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	1999	914.8	610.2	930.0	912.1	1060.6	982.1	825.3	840.6	912.2
Wills	1994	144.4	72.7	216.3	273.2	250.1	197.5	210.4	226.3	218.4
	1995	51.4	105.6	287.9	301.7	170.5	165.5	164.1	153.6	177.6
	1996	101.7	126.5	206.0	244.9	158.2	196.4	258.2	187.0	222.7
	1997	11.4	136.6	309.1	272.8	177.9	218.5	281.4	202.1	278.4
	1998	82.7	89.8	195.7	264.3	255.7	242.6	259.5	195.3	214.2
	1999	39.0	141.2	185.3	251.5	302.5	197.7	240.8	143.1	250.0
Wores	1994	132.2	54.6	189.3	216.4	199.7	168.5	130.5	135.1	60.7
	1995	52.0	76.2	159.0	255.8	137.4	120.3	110.3	147.4	80.0
	1996	116.9	139.1	118.8	123.4	175.0	129.1	158.1	183.2	106.7
	1997	10.0	154.8	243.5	213.9	122.7	158.0	155.3	195.2	224.4
	1998	86.6	80.3	196.7	200.4	229.4	204.6	107.8	151.7	210.1
	1999	48.1	90.7	170.6	128.9	187.7	175.9	203.6	69.0	146.1

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows	
Central Drain Flows (acre-ft)														
1994	4693.0	4157.0	6252.0	7899.0	7399.0	5972.0	6935.0	7068.0	6492.0	6522.0	5425.0	4865.0	73679.0	
1995	3887.0	4939.0	7464.0	7668.0	7182.4	7120.0	7105.0	6837.0	5662.0	5493.0	4554.0	4659.0	72570.4	
1996	4949.8	4955.6	6874.4	7351.8	6766.3	6720.1	7010.3	6804.6	5758.7	5866.2	4846.5	5121.6	73025.9	
1997	4384.3	5575.4	7718.2	7547.0	7657.1	6836.5	7496.4	7406.2	6194.9	5925.7	5114.6	4324.0	76180.3	
1998	5244.2	3933.3	7274.3	7580.9	7279.6	6449.2	7190.0	6483.9	5292.8	6033.0	5175.3	4958.9	72895.4	
1999	4967.8	4730.0	6209.9	7196.3	6440.6	5431.8	5001.6	5935.8	5114.5	5073.0	5023.1	4785.7	65910.1	
													Average	72376.9
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5		

	Central Drain □ QiCi (acre-ft*mg/L)												Tons/year	
1994	1276965.3	1101189.3	2324962.5	3045628.7	2216411.6	1475937.1	1674307.1	2245053.8	1600741.7	1505132.7	1098562.5	936350.3	27875.3	
1995	1057652.7	1308341.1	2775675.0	2956561.7	2151534.6	1759657.1	1715350.0	2171679.8	1396087.4	1267662.3	922185.0	896702.2	27709.2	
1996	1346840.6	1312738.4	2556417.5	2834644.0	2026882.8	1660824.7	1692486.7	2161388.4	1419930.9	1353788.6	981416.3	985737.3	27646.6	
1997	1192968.0	1476923.5	2870205.6	2909907.6	2293726.8	1689592.1	1809845.1	2352478.4	1527485.3	1367519.9	1035706.5	832225.9	29041.0	
1998	1426946.8	1041931.2	2705130.3	2922978.4	2180644.6	1593873.7	1735871.4	2059522.4	1305053.3	1392282.3	1047998.3	954423.0	27692.3	
1999	1351738.4	1252977.0	2309306.6	2774687.7	1929317.5	1342430.6	1207529.1	1885425.9	1261089.6	1170735.7	1017173.7	921087.7	25050.2	
													Average	27502.4

	Holtville Drain Flows (acre-ft)												Annual Flows
1994	5306.0	4580.0	6911.0	8446.0	8077.0	7640.0	7617.0	7597.0	6452.0	7246.0	6276.0	5451.0	81599.0
1995	3715.0	4532.0	8359.4	7707.0	8422.1	7016.0	6974.0	6555.0	5714.0	6841.0	6292.0	5966.0	78093.6
1996	5952.5	6128.4	7701.5	8020.5	7778.1	7118.0	7170.0	6787.7	6412.9	7926.3	6971.8	6437.1	84404.8
1997	5671.6	6239.7	7432.2	8246.8	8001.4	7008.9	7357.4	7112.6	6425.2	7168.0	6971.2	6099.3	83734.3
1998	5585.1	4453.4	7309.8	7719.6	8311.1	6930.2	7376.8	6766.7	6349.2	7657.9	6965.7	6463.0	81888.5
1999	6396.4	5651.4	7682.1	7711.8	7710.1	6799.0	6693.9	5850.5	6008.4	7573.2	6695.3	6083.3	80855.4
													81762.6
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	

	Holtville Drain □ QiCi (acre-ft*mg/L)												Tons/year	
1994	1443762.6	1213242.0	2570028.1	3256536.3	2419510.2	1888171.4	1838961.4	2413083.5	1590878.9	1672215.8	1270890.0	1049135.8	30764.8	
1995	1010851.5	1200526.8	3108636.8	2971617.8	2522900.8	1733954.3	1683722.9	2082106.4	1408909.1	1578750.8	1274130.0	1148256.1	29538.3	
1996	1619675.3	1623413.2	2863995.3	3092475.6	2329973.1	1759162.9	1731042.9	2156020.3	1581237.9	1829213.9	1411789.5	1238927.2	31594.9	
1997	1543242.4	1652896.5	2763849.4	3179730.5	2396863.8	1732199.6	1776286.6	2259220.4	1584270.7	1654215.1	1411668.0	1173911.9	31447.3	
1998	1519705.7	1179705.7	2718331.9	2976457.2	2489636.2	1712749.4	1780970.3	2149350.0	1565531.3	1767273.1	1410554.3	1243912.1	30612.2	
1999	1740460.4	1497055.9	2856780.9	2973449.7	2309603.3	1680324.3	1616098.7	1858331.5	1481499.8	1747726.3	1355806.4	1170828.6	30304.7	
													Average	30710.4

	Rose Drain Flow (acre-ft)												Annual Flows
1994	4137.3	4651.0	6757.0	8276.0	7168.0	6391.1	7035.0	5942.9	6667.0	6898.0	4945.0	4824.0	73692.4
1995	3971.0	3587.9	6945.0	7117.0	6512.0	6685.0	6414.0	6570.0	6597.0	5613.8	5258.0	4030.0	69300.7
1996	3963.8	4283.2	5860.8	6660.6	7168.2	5814.2	5436.6	5524.4	4846.9	5789.4	4563.2	4724.3	64635.6
1997	4559.1	4545.6	5981.4	6438.4	6472.0	5669.8	6646.1	6594.3	6195.3	5643.3	5287.6	4817.7	68850.6
1998	4575.7	4085.0	6826.6	7154.1	6942.4	6389.8	6578.9	6949.8	6113.5	6436.1	4871.5	4248.3	71171.7
1999	4506.3	4607.1	6749.5	6428.1	7698.6	6354.5	6336.9	5614.1	5496.5	4887.7	4985.1	4528.9	68193.2

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
													69307.4
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	

Rose Drain □ QiCi (acre-ft*mg/L)

Tons/year

1994	1125772.7	1232049.9	2512759.4	3190989.1	2147214.2	1579524.2	1698450.0	1887688.1	1643891.7	1591905.1	1001362.5	928459.2	27928.1
1995	1080509.1	950442.6	2582671.9	2744111.9	1950705.8	1652150.0	1548522.9	2086870.9	1626631.7	1295531.9	1064745.0	775640.7	26321.5
1996	1078550.0	1134619.7	2179485.0	2568137.1	2147274.1	1436938.0	1312550.6	1754750.3	1195107.1	1336064.9	924048.0	909270.3	24442.8
1997	1240531.1	1204129.4	2224333.1	2482463.1	1938723.6	1401250.6	1604558.4	2094589.5	1527584.0	1302348.2	1070739.0	927246.7	25859.2
1998	1245048.0	1082116.5	2538641.9	2758416.6	2079634.5	1579193.4	1588334.4	2207509.2	1507414.4	1485308.9	986478.8	817656.1	27024.8
1999	1226164.2	1220420.8	2509970.3	2478491.7	2306158.4	1570469.3	1529908.7	1783242.3	1355279.9	1127972.5	1009474.7	871654.6	25819.4
													Average
													26232.6

Rose Drain Flow (acre-ft)

Annual Flows

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
1994	1956.0	1626.0	2485.0	2892.4	2870.0	2297.9	3030.3	2044.2	2216.0	2450.0	2136.0	1986.0	27989.8
1995	1858.2	1708.8	2597.6	2897.4	2771.6	2739.8	2487.1	2226.3	1962.5	2257.7	2046.3	2254.2	27807.5
1996	2014.2	1871.6	2951.6	2958.6	2725.1	2339.5	2331.0	2297.1	2006.3	2344.1	2211.4	2131.7	28182.2
1997	1743.9	1790.5	2629.5	2918.3	2883.2	2327.8	2368.7	2339.3	2189.6	2207.6	2311.2	1822.8	27532.4
1998	1576.3	1328.9	2540.7	2985.8	2922.5	2446.4	2324.7	2003.1	1918.4	2300.1	1943.8	1755.0	26045.7

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	No
1999	2000.4	1712.0	2055.1	2379.8	2766.4	2213.0	2430.8	1860.1	1684.6	2376.4	
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	
South Central Drain □QiCi (acre-ft*mg/L)											
1994	532227.6	430727.4	924109.4	1115231.7	859724.4	567898.8	731589.4	649325.7	546402.3	565405.6	43
1995	505616.2	452668.5	965969.3	1117148.4	830239.4	677126.0	600454.0	707145.8	483893.7	521028.0	41
1996	548063.8	495786.8	1097626.3	1140751.6	816318.8	578190.7	562770.0	729642.5	494696.3	540966.2	44
1997	474515.2	474303.5	977845.3	1125213.1	863678.6	575299.1	571871.9	743046.7	539892.8	509465.0	46
1998	428911.2	352025.6	944822.8	1151239.2	875451.1	604610.3	561249.0	636257.4	473022.6	530812.0	39
1999	544308.8	453508.8	764240.3	917582.9	828690.5	546927.1	586864.6	590835.4	415374.2	548420.3	43
Rose Drain Flow (acre-ft)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	No
1994	1766.5	2095.0	2298.0	3244.0	3012.0	2756.0	2717.0	2578.0	1577.1	4623.0	
1995	1992.6	1642.4	2580.7	2475.1	2636.8	2403.2	2427.2	1806.6	1914.9	3093.5	
1996	2013.6	1952.8	2967.9	2872.3	2937.2	2206.0	2119.6	2129.1	2072.6	2936.6	
1997	2043.4	1874.2	2068.6	2666.2	2542.6	1943.0	1919.6	1747.5	1931.1	2474.2	
1998	2036.7	1763.3	2484.7	2699.3	2857.8	1785.3	2421.3	1764.1	1740.3	2052.7	
1999	2102.7	2019.4	2092.2	2143.4	2243.3	1848.2	2070.6	1208.3	1234.1	1591.6	
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	
Verde Drain □QiCi (acre-ft*mg/L) = □QiCi (acre-ft*mg/L)											
1994	480676.0	554965.5	854568.8	1250793.7	902261.3	681125.7	655961.4	818866.5	388875.6	1066885.7	53
1995	542186.5	435064.2	959694.7	954320.0	789866.6	593933.5	586005.9	573855.5	472164.1	713917.8	46
1996	547900.6	517296.7	1103687.8	1107476.8	879854.6	545197.1	511732.0	676279.6	511043.9	677702.0	50
1997	556009.1	496475.6	769260.6	1028010.5	761650.0	480198.6	463446.3	555069.5	476154.1	570990.4	52
1998	554186.1	467098.2	923997.8	1040773.0	856069.9	441224.1	584571.0	560342.3	429108.3	473717.5	45
1999	572144.7	534939.1	778036.9	826433.8	671993.0	456769.4	499902.0	383800.0	304293.8	367305.9	49
Total Major Drain Flow (acre-ft)											
1994	17858.9	17109.0	24703.0	30757.4	28526.0	25057.0	27334.3	25230.2	23404.1	27739.0	2
1995	15423.8	16410.1	27946.6	27864.5	27524.9	25964.0	25407.3	23994.9	21850.4	23299.0	2
1996	18893.9	19191.6	26356.2	27863.8	27374.9	24197.8	24067.5	23542.9	21097.4	24862.6	2
1997	18402.3	20025.4	25829.9	27816.7	27556.3	23786.0	25788.2	25199.9	22936.1	23418.8	2
1998	19018.0	15563.9	26436.1	28139.7	28313.4	24000.9	25891.7	23967.6	21414.2	24479.8	2
1999	19973.6	18719.9	24788.8	25859.4	26859.0	22646.5	22533.8	20468.8	19538.1	21501.9	2
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	
Total Major Drain = □QiCi (acre-ft*mg/L)											
1994	4859404.2	4532174.1	9186428.1	11859179.6	8545121.8	6192657.3	6599269.4	8014017.6	5770790.1	6401544.8	433
1995	4196816.0	4347043.2	10392647.7	10743759.8	8245247.2	6416820.9	6134055.6	7621658.5	5387686.1	5376890.8	413
1996	5141030.2	5083854.8	9801211.9	10743485.2	8200303.4	5980313.4	5810582.1	7478081.1	5202016.1	5737735.6	426
1997	5007265.8	5304728.5	9605494.1	10725324.8	8254642.8	5878540.0	6226008.3	8004404.6	5655386.9	5404538.6	451

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	No
1998	5174797.8	4122877.1	9830924.7	10849864.3	8481436.3	5931651.0	6250996.1	7612981.3	5280129.9	5649393.8	428
1999	5434816.6	4958901.5	9218335.0	9970645.8	8045762.7	5596920.7	5440303.1	6501635.2	4817537.2	4962160.7	430

Table C- 21: Minor Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
Calculated Minor Drain Flows (Ungauged) (acre-ft)													
1994	22585.2	17496.3	37920.6	42165.8	32631.3	25534.3	26182.5	25226.2	22319.3	24045.5	20266.5	16977.4	313351.0
1995	9049.4	16663.2	32108.6	33465.8	24450.4	21983.7	26432.4	27612.7	20413.4	26695.9	21778.4	18584.4	279238.2
1996	20403.4	23155.1	33310.9	34803.5	27629.1	26230.8	27059.5	24823.9	26669.2	28247.7	23603.5	22525.4	318462.0
1997	2097.7	26224.2	40882.0	42333.6	36189.8	30485.0	34418.0	32754.0	34113.2	29663.8	25654.2	20373.4	355188.9
1998	21406.2	15912.8	38672.1	40712.2	39681.6	34009.2	31924.9	32409.5	33282.8	32986.6	21611.8	20559.1	363168.8
1999	23041.5	22926.9	35617.1	33511.8	36590.7	33007.2	31269.2	26350.5	30953.7	35993.8	24319.4	20354.2	353936.0
average	16430.6	20396.4	36418.5	37832.1	32862.1	28541.7	29547.8	28196.1	27958.6	29605.6	22872.3	19895.7	330557.5

Ungauged Minor Drain Contributions = S(QC) (af/month*mg/L)													Tons/year
1994	9960077.3	7715868.3	16722984.6	18595112.2	14390403.3	11260628.6	11546503.8	11124770.0	9842797.4	10604065.5	8937526.5	7487033.4	187892.1
1995	3990785.4	7348458.4	14159885.7	14758412.4	10782611.0	9694805.0	11656674.7	12177192.8	9002306.3	11772893.0	9604295.6	8195729.8	167437.3
1996	8997899.4	10211399.1	14690106.9	15348343.5	12184433.1	11567782.8	11933254.2	10947339.9	11761117.2	12457235.7	10409143.5	9933701.4	190956.8
1997	925085.7	11564872.2	18028962.0	18669117.6	15959701.8	13443885.0	15178338.0	14444514.0	15043921.2	13081735.8	11313502.2	8984669.4	212979.0
1998	9440134.2	7017544.8	17054396.1	17954080.2	17499585.6	14998057.2	14078880.9	14292589.5	14677714.8	14547090.6	9530803.8	9066563.1	217763.9
1999	10161301.5	10110762.9	15707141.1	14778703.8	16136498.7	14556175.2	13789717.2	11620570.5	13650581.7	15873265.8	10724859.6	8976199.7	212227.8
Average													198209.5

Gauged Minor Drain Flows (acre-ft)													Annual Average
1994	878.5	727.2	1339.3	1980.5	3714.7	5031.9	6435.2	6422.1	7330.4	6838.9	5535.8	4156.0	50390.5
1995	2053.6	4952.7	7806.9	8658.2	7642.6	6098.6	5049.0	4504.8	4811.2	1952.2	1703.6	1206.4	56439.8
1996	1475.3	1541.6	2278.7	2430.2	1955.3	1687.1	1713.9	1783.2	2052.0	1995.8	1688.1	1142.0	21743.2
1997	1228.6	1529.1	2182.4	2292.1	1836.1	1534.8	1712.5	1851.0	2269.7	1999.0	1574.3	1219.4	21229.0
1998	1248.0	737.8	2611.3	2612.0	2352.2	2011.0	1998.4	1975.1	2309.0	2217.3	1779.4	1488.2	23339.7
1999	1479.2	1569.7	2511.3	2517.2	2398.6	2225.1	1720.3	1822.7	2083.1	2206.7	1616.9	1294.1	23444.9
Average													32764.5

Gauged Minor Drain Contributions = S(QC) (af/month*mg/L)													Tons/year
1994	387418.5	320695.2	590631.3	873400.5	1638182.7	2219067.9	2837923.2	2832146.1	3232706.4	3015954.9	2441287.8	1832796.0	30215.2
1995	905637.6	2184140.7	3442842.9	3818266.2	3370386.6	2689482.6	2226609.0	1986616.8	2121739.2	860920.2	751287.6	532022.4	33842.5
1996	650607.3	679845.6	1004906.7	1071718.2	862287.3	744011.1	755829.9	786391.2	904932.0	880147.8	744452.1	503622.0	13037.7
1997	541812.6	674333.1	962438.4	1010816.1	809720.1	676846.8	755212.5	816291.0	1000937.7	881559.0	694266.3	537755.4	12729.4
1998	550368.0	325369.8	1151583.3	1151892.0	1037320.2	886851.0	881294.4	871019.1	1018269.0	977829.3	784715.4	656296.2	13995.0
1999	652327.2	692237.7	1107483.3	1110085.2	1057782.6	981269.1	758652.3	803810.7	918647.1	973154.7	713052.9	570680.5	14058.0
Average													19646.3

Total Minor Drain Flows													Annual Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1994	23463.7	18223.5	39259.9	44146.3	36346.0	30566.2	32617.7	31648.3	29649.7	30884.4	25802.3	21133.4	363741.5
1995	11103.0	21615.9	39915.5	42124.0	32093.0	28082.3	31481.4	32117.5	25224.6	28648.1	23482.0	19790.8	335678.0
1996	21878.7	24696.7	35589.6	37233.7	29584.4	27917.9	28773.4	26607.1	28721.2	30243.5	25291.6	23667.4	340205.2
1997	3326.3	27753.3	43064.4	44625.7	38025.9	32019.8	36130.5	34605.0	36382.9	31662.8	27228.5	21592.8	376417.9
1998	22654.2	16650.6	41283.4	43324.2	42033.8	36020.2	33923.3	34384.6	35591.8	35203.9	23391.2	22047.3	386508.5
1999	24520.7	24496.6	38128.4	36029.0	38989.3	35232.3	32989.5	28173.2	33036.8	38200.5	25936.3	21648.3	377380.9
Average													363322.0

TSS 441

Total Minor Drain Load = SQ_Ci (acre-ft*mg/L) Tons/year

Table C- 21: Minor Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1994	10347495.8	8036563.5	17313615.9	19468512.7	16028586.0	13479696.5	14384427.0	13956916.1	13075503.8	13620020.4	11378814.3	9319829.4	218107.3
1995	4896423.0	9532599.1	17602728.6	18576678.6	14152997.6	12384287.6	13883283.7	14163809.6	11124045.5	12633813.2	10355583.2	8727752.2	201279.9
1996	9648506.7	10891244.7	15695013.6	16420061.7	13046720.4	12311793.9	12689084.1	11733731.1	12666049.2	13337383.5	11153595.6	10437323.4	203994.5
1997	1466898.3	12239205.3	18991400.4	19679933.7	16769421.9	14120731.8	15933550.5	15260805.0	16044858.9	13963294.8	12007768.5	9522424.8	225708.4
1998	9990502.2	7342914.6	18205979.4	19105972.2	18536905.8	15884908.2	14960175.3	15163608.6	15695983.8	15524919.9	10315519.2	9722859.3	231758.9
1999	10813628.7	10803000.6	16814624.4	15888789.0	17194281.3	15537444.3	14548369.5	12424381.2	14569228.8	16846420.5	11437912.5	9546880.1	<u>226285.8</u>
												Average	217855.8

Table C- 22: Combined Contribution of In-Stream Erosion and Wind Erosion/Deposition

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flow
Flows (acre-ft)													
1994	41444.6	35460.5	64095.9	75034.7	65044.0	55779.2	60119.0	57062.5	53188.8	58756.4	47367.3	40756.4	654109.3
1995	26663.8	38156.0	68023.1	70135.5	59771.9	54200.3	57030.7	56229.4	47161.0	51947.1	43926.0	38893.9	612138.7
1996	40772.6	43888.3	61945.8	65097.5	56959.3	52115.7	52976.5	50275.0	49971.6	55307.1	46526.3	44421.8	620257.5
1997	21851.6	47889.8	69017.3	72642.5	65799.0	55911.9	62042.7	59915.6	59374.1	55233.7	49654.3	41015.6	660348.1
1998	41788.6	32343.0	67860.3	71571.2	70478.7	60134.0	59936.2	58457.1	57103.4	59793.0	44702.3	41762.8	665930.6
1999	44636.7	43350.4	63059.4	62043.3	66001.6	58018.2	55684.8	48748.3	52680.4	59831.3	47363.0	41370.1	642787.5
Average	36193.0	40181.3	65667.0	69420.8	64009.1	56026.6	57965.0	55114.7	53246.6	56811.4	46589.9	41370.1	642595.3

Loading =SQ_iC_i (acre-ft*mg/L)

1994	15213106.7	12573089.6	26508981.6	31339010.7	24587181.1	19688577.8	21000947.4	21989395.0	18846293.9	20032138.7	15719314.8	13074823.0
1995	9100208.9	13884062.3	28006195.5	29333139.2	22410308.1	18817124.5	20032008.0	21797207.1	16523169.6	18010704.1	14494553.5	12404458.1
1996	14789536.9	15975099.5	25496225.5	27163546.9	21247023.8	18292107.3	18513670.3	19224353.9	17888414.3	19091098.6	15422560.4	14398797.7
1997	6480421.8	17547711.2	28605160.1	30422547.1	25041047.3	20010306.2	22172368.0	23276316.5	21707574.1	19379925.4	16520442.0	13246996.1
1998	15171221.9	11470160.7	28046365.8	29965107.2	27028642.9	21828300.8	21223691.4	222787114.9	20989067.9	21183003.1	14606632.4	13495532.5
1999	16255689.9	15766454.7	26042515.2	25872818.2	25252052.5	21148862.6	20005355.6	18936681.8	19400797.5	21818828.8	15748861.5	13324891.2
Average	12835031.0	14536096.3	27117574.0	29016028.2	24261042.6	19964213.2	20491340.1	21335178.2	19225886.2	19919283.1	15418727.4	13324249.8

Calculated Alamo Concentration = SQ _i C _i /SQ (mg/L)	Total Tons/year												
1994	367.1	354.6	413.6	417.7	378.0	353.0	349.3	385.4	354.7	340.9	331.9	320.8	327128.1
1995	341.3	363.9	411.7	418.2	374.9	347.2	351.2	387.6	350.4	346.7	330.0	318.9	305675.4
1996	362.7	364.0	411.6	417.3	373.0	351.0	349.5	382.4	358.0	345.2	331.5	324.1	309332.0
1997	296.6	366.4	414.5	418.8	380.6	357.9	357.4	388.5	365.6	350.9	332.7	323.0	332322.1
1998	363.0	354.6	413.3	418.7	383.5	363.0	354.1	389.8	367.6	354.3	326.8	323.1	336923.3
1999	364.2	363.7	413.0	417.0	382.6	364.5	359.3	388.5	368.3	364.7	332.5	322.1	325745.3
Average	349.1	361.2	412.9	417.9	378.8	356.1	353.5	387.0	360.7	350.4	330.9	322.0	322854.4
								Grand Average					365.1

Alamo River Measured Concentrations													
Mean Concentration	321.6	251.9	704.8	395.5	363.2	293.0	317.5	330.7	366.0	349.0	480.0	298.6	372.6
Concentration Deficit (mg/L)	-27.5	-109.3	291.8	-22.4	-15.6	-63.1	-36.0	-56.4	5.3	-1.4	149.1	-23.4	

Grand Average Concentration Deficit = Calculated Concentration Grand Average - Measured Concentrations Grand Average = 365.1 – 372.6 = 7.6 mg/L

Average Alamo River Flow (acre-ft)/yr = 642595.3

Average TSS due to Wind deposition/ In-stream erosion (mg/L) = 7.6

Average Tons/year = 6622.7

Table C- 23: Dredging Contribution to Suspended Sediment

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>Dredging Concentration</u> 5000 mg/L													
<u>Dredging Time</u> 0.010526316													
Dredging Effects (acre-ft*mg/L)													
Minor Drains													Tons/year
1994	1234932.1	959131.6	2066310.5	2323488.8	1912947.4	1608747.6	1716723.6	1665701.9	1560508.9	1625494.7	1358015.8	1112284.2	26030.2
1995	584368.4	1137677.4	2100815.0	2217052.0	1689103.4	1478015.0	1656914.2	1690393.8	1327610.2	1507794.9	1235897.3	1041622.2	24021.9
1996	1151510.5	1299826.3	1873136.8	1959668.4	1557073.7	1469363.2	1514391.2	1400373.7	1511642.1	1591763.2	1331136.8	1245652.6	24345.9
1997	175068.4	1460700.0	2266547.4	2348721.1	2001363.2	1685252.6	1901605.3	1821315.8	1914889.5	1666463.2	1433078.9	1136463.2	26937.4
1998	1192326.3	876347.4	2172810.5	2280221.1	2212305.3	1895800.0	1785436.8	1809715.8	1873252.6	1852836.8	1231115.8	1160384.2	27659.5
1999	1290563.2	1289294.7	2006757.9	1896263.2	2052068.4	1854331.6	1736289.5	1482800.0	1738778.9	2010552.6	1365068.9	1139381.8	27006.3
												Average	26000.2
Dredging Effects (acre-ft*mg/L)													
Major Drains													Tons/year
1994	939941.6	900473.7	1300157.9	1618811.2	1501368.4	1318789.2	1438644.8	1327903.4	1231796.4	1459947.4	1127526.3	1025368.4	20654.6
1995	811778.9	863691.0	1470874.5	1466553.3	1448680.8	1366527.1	1337227.9	1262890.4	1150021.4	1226263.0	1075734.3	1005425.2	19696.0
1996	994415.8	1010084.2	1387168.4	1466515.8	1440784.2	1273568.4	1266710.5	1239100.0	1110389.5	1308557.9	1108826.3	1081073.7	19970.0
1997	968542.1	1053968.4	1359468.4	1464036.8	1450331.6	1251894.7	1357273.7	1326310.5	1207163.2	1232568.4	1172226.3	1017594.7	20206.8
1998	1000947.4	819152.6	1391373.7	1481036.8	1490178.9	1263205.3	1362721.1	1261452.6	1127063.2	1288410.5	1114736.8	1030194.7	19892.9
1999	1051242.1	985257.9	1304673.7	1361021.1	1413631.6	1191921.1	1185989.5	1077305.3	1028321.1	1131678.9	1119810.0	1031931.4	18876.2
													19882.7